How to add manifest permission to an application?

Asked 13 years, 11 months ago   Modified 1 year, 5 months ago   Viewed 1.0m times

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I am trying to access HTTP link using `HttpURLConnection` in Android to download a file, but I am getting this warning in `LogCat` :

> WARN/System.err(223): java.net.SocketException: Permission denied (maybe missing INTERNET permission)

I have added `android.Manifest.permission` to my application but it's still giving the same exception.

android   exception   android-manifest

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edited Jul 17, 2019 at 14:54
Gastón Saillén
12.6k 5 69 79

asked Jan 30, 2010 at 20:18
rob
5,821 4 23 26

Paste your manifest-permission contents, did you grant permissions for INTERNET? – Anthony Forloney Jan 30, 2010 at 20:22

---

1   i added import android.Manifest.permission; to app,nothing else. What else do i need to add to grant permissions – rob Jan 30, 2010 at 20:27

---

2   Look at my answer below and see if that helps, and I have no idea what `import android.Manifest.permission` will do for you if you don't have INTERNET permission set in the AndroidManifest.xml file – Anthony Forloney Jan 30, 2010 at 20:27 ✏️

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13 Answers

Sorted by: Highest score (default) ⬍

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Assuming you do not have permissions set from your `LogCat` error description, here is my contents for my `AndroidManifest.xml` file that has access to the internet:

```
<manifest xlmns:android...>
 ...
 <uses-permission android:name="android.permission.INTERNET" />
 <application ...
</manifest>
```

Other than that, you should be fine to download a file from the internet.

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edited Mar 26, 2019 at 4:04

answered Jan 30, 2010 at 20:26

Alexis Gamarra
4,372   1   33   23

Anthony Forloney
90.6k   14   117   115

4   If you find answers that solve your question or seem helpful, its useful to select as "answered" and/or upvote, it helps out the community for anyone encountering the same problems. Thats not just directed to this question, but other questions you have asked also – Anthony Forloney Jan 30, 2010 at 20:31 🖉

i didn't knew about it, i will do that for sure if this will solve my problem – rob Jan 30, 2010 at 20:32

report back if you encounter anything different and I will be more than happy to assist. – Anthony Forloney Jan 30, 2010 at 20:33

1   In my case I had to make sure it was the VERY FIRST line after the manifest statement.. anywhere below that and it would not work. v2.2, api level 8, htc g1 – slf Aug 20, 2011 at 22:01 🖉

1   @dialex AFAIK, there is no child element of `uses-permission` inside the `application` tag, only the `manifest` . – Anthony Forloney Mar 14, 2016 at 18:47

Permission name is CASE-SENSITIVE

106   In case somebody will struggle with same issue, **it is case sensitive** statement, so wrong case means your application won't get the permission.

WRONG

```
<uses-permission android:name="ANDROID.PERMISSION.INTERNET" />
```

CORRECT

```
<uses-permission android:name="android.permission.INTERNET" />
```

This issue may happen ie. on autocomplete in IDE

Share   Improve this answer   Follow   edited Jun 20, 2020 at 9:12   answered May 14, 2015 at 14:17

Community Bot
1   1

Marek Sebera
39.9k   37   160   246

1   Thank you! I wasted my whole day wondering why my app was not working. I am new to android studio and this issue did not occur in Eclipse before :) – InspiredCoder Jun 1, 2015 at 6:53

3   And I wasted my whole day figuring out what's actually difference between them, OMG its *Capital* and *Small* `ANDROID.PERMISSION` and `android.permission` ;) :p – fWd82 Jun 22, 2017 at 2:42

2   Documentation: developer.android.com/training/basics/network-ops/... – quant Mar 8, 2019 at 5:53

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.photoeffect"
```

63

```xml
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="18" />

    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION" />
    <uses-permission android:name="android.permission.ACCESS_LOCATION_EXTRA_COMMANDS"
    />
    <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION" />
    <uses-permission android:name="com.example.towntour.permission.MAPS_RECEIVE" />
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
    <uses-permission android:name="android.permission.CALL_PHONE" />
    <uses-permission android:name="android.permission.READ_PHONE_STATE" />
    <uses-permission
    android:name="com.google.android.providers.gsf.permission.READ_GSERVICES" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@android:style/Theme.Black.NoTitleBar" >
        <activity
            android:name="com.photoeffect.MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

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answered Dec 4, 2013 at 10:25

Teraiya Mayur
1,114   10   18

34

If you are using the Eclipse ADT plugin for your development, open `AndroidManifest.xml` in the Android Manifest Editor (should be the default action for opening `AndroidManifest.xml` from the project files list).

Afterwards, select the `Permissions` tab along the bottom of the editor (`Manifest – Application – Permissions – Instrumentation – AndroidManifest.xml`), then click `Add... a Uses Permission` and select the desired permission from the dropdown on the right, or just copy-paste in the necessary one (such as the `android.permission.INTERNET` permission you required).

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edited Jul 17, 2019 at 14:55

Gastón Saillén
12.6k   5   69   79

answered Apr 6, 2010 at 16:44

Rogus
1,250   10   11

▲

25

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Copy the following line to your application manifest file and paste before the `<application>` tag.

```
<uses-permission android:name="android.permission.INTERNET"/>
```

Placing the permission below the `<application/>` tag will work, but will give you warning. So take care to place it before the `<application/>` tag declaration.

Share   Improve this answer   Follow   edited May 26, 2014 at 10:23   answered Dec 4, 2013 at 10:30

Ghost-Man   nitesh
2,189 1   21   25   **421**   7   15

---

1   As of writing this comment, it goes **outside** of the application element but within the manifest. eg: <application> ... </application> <uses-permission android:name=" android.permission.INTERNET" /> </manifest> – Steve Swinsburg Sep 16, 2017 at 11:53 ✏️

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22

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FOR FLUTTER DEVELOPERS.

Go to

android/app/main/AndroidManifest.xml

Outside the

application tag

but inside the

manifest tag

Add

```
<uses-permission android:name="android.permission.INTERNET" />
```

Share   Improve this answer   Follow   answered Mar 17, 2022 at 11:32

dev.bojack
803   6   10

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14

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Add the below line in your application tag:

```
android:usesCleartextTraffic="true"
```

To be look like below code :

```
<application
    ....
    android:usesCleartextTraffic="true"
    ....>
```

And add the following **tags** above of `application`

```
<uses-permission android:name="android.permission.INTERNET" />
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
```

to be like that :

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.themarona.app">
    <uses-permission android:name="android.permission.INTERNET" />

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:usesCleartextTraffic="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">

            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>

    </application>
</manifest>
```

Share   Improve this answer   Follow   edited Mar 9, 2021 at 7:14   answered Feb 24, 2021 at 22:37

                                                                                    Abd Abughazaleh
                                                                              4,804   4   47   57

When using eclipse, Follow these steps

12

1. Double click on the manifest to show it on the editor

2. Click on the permissions tab below the manifest editor

3. Click on Add button

4. on the dialog that appears Click uses permission. (Ussually the last item on the list)

5. Notice the view that appears on the rigth side Select "android.permission.INTERNET"

6. Then a series of Ok and finally save.

Hope this helps

Share   Improve this answer   Follow   edited Mar 9, 2022 at 22:34   community wiki
                                                                                  2 revs, 2 users 72%
                                                                                  Mathayo

I am late but i want to complete the answer.

8

An permission is added in `manifest.xml` like

```
<uses-permission android:name="android.permission.INTERNET"/>
```

This is enough for standard permissions where no permission is prompted to the user. However, it is not enough to add permission only to manifest if it is a dangerous permission. See **android doc**. Like Camera, Storage permissions.

```
<uses-permission android:name="android.permission.CAMERA"/>
```

You will need to **ask permission from user**. I use RxPermission library that is widely used library for asking permission. Because it is long code which we have to write to ask permission.

```
RxPermissions rxPermissions = new RxPermissions(this); // where this is an
Activity instance // Must be done during an initialization phase like onCreate
rxPermissions
    .request(Manifest.permission.CAMERA)
    .subscribe(granted -> {
        if (granted) { // Always true pre-M
            // I can control the camera now
        } else {
            // Oups permission denied
        }
    });
```

Add this library to your app

```
allprojects {
    repositories {
        ...
        maven { url 'https://jitpack.io' }
    }
}

dependencies {
    implementation 'com.github.tbruyelle:rxpermissions:0.10.1'
    implementation 'com.jakewharton.rxbinding2:rxbinding:2.1.1'
}
```

Share   Improve this answer   Follow   edited Jan 9, 2019 at 12:05   answered Jul 10, 2018 at 17:18

Nusatad   Khemraj Sharma
3,351   3   11   17   57.9k   28   207   216

That may be also interesting in context of adding INTERNET permission to your application:

4

> Google has also given each app Internet access, effectively removing the Internet access permission. Oh, sure, Android developers still have to declare they want Internet access when putting together the app. But users can no longer see the Internet access permission when installing an app and current apps that don't have Internet access can now gain Internet access with an automatic update without prompting you.

Source: http://www.howtogeek.com/190863/androids-app-permissions-were-just-simplified-now-theyre-much-less-secure/

Bottom line is that you still have to add INTERNET permission in manifest file but application will be updated on user's devices without asking them for new permission.

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answered Jul 28, 2014 at 11:57

sdf3qrxewqrxeqwxfew31
23
1,275   11   16

1

You have to use both Network and Access Network State in manifest file while you are trying load or access to the internet through android emulator.

```
<uses-permission android:name="android.permission.INTERNET" />
<uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
```

If you are giving only .INTERNET permission, it won't access to the internet.

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answered Oct 4, 2019 at 5:59

zemunkh
682   7   13

1

** For Activity Recognition like Foot Step Counter

```
<uses-permission android:name="android.permission.ACTIVITY_RECOGNITION" />
```

** For Internet

```
<uses-permission android:name="android.permission.INTERNET" />
```

** For Call Phone

```
<uses-permission android:name="android.permission.CALL_PHONE" />
[![enter image description here][1]][1]
```

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If you're using Android Studio, hover over the code that requires the permission and click
"**Add Permission ..**"

```
manager = getSystemService(connectivityManager::class.java)
ork = connectivityManager.getActiveNetwork()
nectivityManage
ties = connecti
```

Missing permissions required by ConnectivityManager.getAct
permission.ACCESS_NETWORK_STATE

Add Permission ACCESS_NETWORK_STATE Alt+Shift+Enter

val **connectivityManager**: ConnectivityManager!

```
R.layout.activity_main)
```

Then you can check the changes in *AndroidManifest.xml* with git.

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question. The reputation requirement helps protect this question from spam and non-answer activity.